Zach Denton

EMAIL: z@chdenton.com
PHONE: +1 410-775-6082
WEBSITE: zacharydenton.com
GITHUB: github.com/zacharydenton

TIMELINE

DARTMOUTH COLLEGE — 2011—

B.A. in Computer Science

Graduating in June, 2015. My favorite classes have been Kierkegaard and Existentialism, Compilers, and Advanced Sound Design.

FREELANCE — 2010—

Development & Design

I've been doing programming and design on the side for a few years now. The best project was actually not programming-related: I set up a green screen system for a Wall Street journalist so that he could pretend to be on the floor of the stock exchange from his bedroom.

INTERNET CONNECTION — 2010—2012

Web Development

After high school, I took over as the programmer for IC, a 10-person web development and hosting company. The job primarily involved building and maintaining websites written in PHP, Perl, and Python. I talked directly with clients on a daily basis: they told me what they wanted, and I figured out how to make it happen. Before leaving the job to travel, I helped interview the people who would replace me.

SKILLS

ADVANCED

Python, JavaScript, CoffeeScript, Meteor

INTERMEDIATE

C, Ruby, Flask, Express, Android, CSS3, LaTeX

BASIC

Go, Haskell, Clojure, SuperCollider, WebGL, Arduino

OTHER ENDEAVOURS

spoken languages – English & Swedish.

hacker club – Captain of the Dartmouth Hacker Club. We get together to write code, build circuits, and learn from each other.

hackathons – 1st place, HackPrinceton 2012; PennApps 2013; HackMIT 2013; DAX v.2; Quora ML CodeSprint 2013; Greylock Hackfest 2; TechCrunch Disrupt SF 2013; HAMR in the Woods.

open source – In addition to over 40 of my own projects, I've contributed to python-readability, beets, tuna.js, and whatmp3.

FEATURED PROJECTS

Noisehack
noisehack.com

Noisehack is my blog about audio and music hacking. Topics include emulating analog synths in the browser, convolving microphone input with Shepard tones and visualizing the spectrogram, custom DSP effects with the Web Audio API, and 8-bit Arduino music.

Hacker News App
hn.meteor.com

I built an improved client for reading Hacker News. It's a responsive web app with color-coded, collapsible comment threads, built-in search, article extraction, and more. It gets the most web traffic of all my sites and has even made some money on the Android Store.

GNEON
gneon.co

GNEON (a clothing company) asked me to build their new site. It's a bit flashier than your typical shopping site. When you click on the logo, their SoundCloud music starts playing, the logo, links, and buttons start changing colors, and everything lights up in time with the beat.

Twine
twinebot.com

Twine is the Twitter command line. It enables you to execute context-aware scripts through Twitter. For example, you can save a tweet to your Dropbox by replying to it with the command, "dropship". Within seconds, Dropbox will notify you about the new file.

Strindberg
strindberg.in

An online document editor built with Meteor and pandoc. Write in any markup language you like; render to any output format you need. Documents are preserved as you type in a custom version control system built inside of MongoDB. Winner of HackPrinceton 2012.

whatbetter
zacharydenton.com/whatbetter

A script which automatically converts FLAC torrents on What.CD into all missing formats and uploads the resulting torrents to the site. Over 50,000 torrents have been uploaded with whatbetter so far. In fact, the #1 uploader on What.CD used whatbetter to get there.

Grimoire
grimoire.in

A web app which turns websites into eBooks. It can send a weekly digest of your favorite blog or RSS feed to your Kindle on a recurring basis. I use it to read my unread Pinboard bookmarks on my Kindle every week. Built with Django, pandoc, Calibre, and python-readability.

Course Picker
courses.hackdartmouth.org

A web app which lets you search for classes based on student reviews, median grades, and other criteria. Most Dartmouth students use it when shopping for classes. I built the front-end and a scraper to extract information from the course catalog.